

Clean Set of Amended Claims

B¹

7. (Amended) A cooling system for a gantry having a linear motor, comprising:

- an x-y gantry;
- a linear motor of the gantry comprising a temperature sensor configured to produce a linear motor temperature signal;
- a processor configured to receive the linear motor temperature signal and produce a first control signal in accordance with a difference between a sensed temperature of the linear motor and a prescribed value; and
- a first cooling device configured to cool the linear motor in accordance with the first control signal.

B²

17. (Amended) A cooling system for a gantry having a linear motor, comprising:

- an x-y gantry;
- a linear motor of the gantry comprising a temperature sensor configured to produce a linear motor temperature signal;
- a processor configured to receive the linear motor temperature signal and produce a cooling control signal and a driver control signal in accordance with a difference between the linear motor temperature signal and a predetermined value;
- a cooling device configured to cool the linear motor in accordance with the cooling control signal; and

B2
amended.

a motor driver configured to control movements of the linear motor in accordance with the driver control signal.

B3

23. (Amended) A method of cooling a linear motor of a gantry, comprising:
- measuring a temperature of the linear motor of the gantry;
 - comparing the temperature of the linear motor with a predetermined value; and
 - activating a cooling device configured to cool the linear motor if the temperature of the linear motor is greater than the predetermined value.
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